

<110> MCTIGUE, MICHELE A.  
WICKERSHAM, JOHN A.  
PINKO, CHRIS  
SHOWALTER, RICHARD  
PARAST, CAMRAN V.  
TEMPCYZK-RUSSEL, ANNA  
GEHRING, MICHAEL R.  
MROCZKOWSKI, BARBARA  
KAN, CHEN-CHEN  
VILLAFRANCA, J. ERNEST  
APPELT. KRZYSZTOF

<130> 0125-0016US

<141> 1999-09-07

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<213> Homo sapiens

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<213> Homo sapiens

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Lys Pro Leu Gly Arg Gly Ala Phe Gly Gln Val Ile Glu Ala Asp Ala  
35 40 45

Phe Gly Ile Asp Lys Thr Ala Thr Cys Arg Thr Val Ala Val Lys Met  
50 55 60

Leu Lys Glu Gly Ala Thr His Ser Glu His Arg Ala Leu Met Ser Glu  
65 70 75 80

Leu Lys Ile Leu Ile His Ile Gly His His Leu Asn Val Val Asn Leu  
85 90 95

Leu Gly Ala Cys Thr Lys Pro Gly Gly Pro Leu Met Val Ile Val Glu  
100 105 110

Phe Cys Lys Phe Gly Asn Leu Ser Thr Tyr Leu Arg Ser Lys Arg Asn  
115 120 125

Glu Phe Val Pro Tyr Lys Glu Ala Pro Glu Asp Leu Tyr Lys Asp Phe  
130 135 140

Leu Thr Leu Glu His Leu Leu Ile Cys Tyr Ser Phe Gln Val Ala Lys  
145 150 155 160

Gly Met Glu Phe Leu Ala Ser Arg Lys Cys Ile His Arg Asp Leu Ala  
165 170 175

Ala Arg Asn Ile Leu Leu Ser Glu Lys Asn Val Val Lys Ile Cys Asp  
180 185 190

Phe Gly Leu Ala Arg Asp Ile Tyr Lys Asp Pro Asp Tyr Val Arg Lys  
195 200 205

Gly Asp Ala Arg Leu Pro Leu Lys Trp Met Ala Pro Glu Thr Ile Phe  
210 215 220

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Leu Trp Glu Ile Phe Ser Leu Gly Ala Ser Pro Tyr Pro Gly Val Lys  
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Ile Asp Glu Glu Phe Cys Arg Arg Leu Lys Glu Gly Thr Arg Met Arg  
260 265 270

Asp Asp Asn Ser Glu Gly Leu Thr Leu Leu Asp Leu Leu Ser Phe Thr  
210 215 220

Lys Met Ile Gly Lys His Lys Asn Ile Ile Asn Leu Leu Gly Ala Cys  
85 90 95

Thr Gln Asp Gly Pro Leu Tyr Val Ile Val Glu Tyr Ala Ser Lys Gly  
 100 105 110  
 Asn Leu Arg Glu Tyr Leu Gln Ala Arg Arg Pro Pro Gly Leu Glu Tyr  
 115 120 125  
 Cys Tyr Asn Pro Ser His Asn Pro Glu Glu Gln Leu Ser Ser Lys Asp  
 130 135 140  
 Leu Val Ser Cys Ala Tyr Gln Val Ala Arg Gly Met Glu Tyr Leu Ala  
 145 150 155 160  
 Ser Lys Lys Cys Ile His Arg Asp Leu Ala Ala Arg Asn Val Leu Val  
 165 170 175  
 Thr Glu Asp Asn Val Met Lys Ile Ala Asp Phe Gly Leu Ala Arg Asp  
 180 185 190  
 Ile His His Ile Asp Tyr Tyr Lys Lys Thr Thr Asn Gly Arg Leu Pro  
 195 200 205  
 Val Lys Trp Met Ala Pro Glu Ala Leu Phe Asp Arg Ile Tyr Thr His  
 210 215 220  
 Gln Ser Asp Val Trp Ser Phe Gly Val Leu Leu Trp Glu Ile Phe Thr  
 225 230 235 240  
 Leu Gly Gly Ser Pro Tyr Pro Gly Val Pro Val Glu Glu Leu Phe Lys  
 245 250 255  
 Leu Leu Lys Glu Gly His Arg Met Asp Lys Pro Ser Asn Cys Thr Asn  
 260 265 270  
 Glu Leu Tyr Met Met Met Arg Asp Cys Trp His Ala Val Pro Ser Gln  
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Lys	Ser	Leu	Gly	Arg	Gly	Ala	Phe	Gly	Lys	Val	Val	Gln	Ala	Ser	Ala	
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Leu	Lys	Glu	Gly	Ala	Thr	Ala	Ser	Glu	Tyr	Lys	Ala	Leu	Met	Thr	Glu	
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Leu	Lys	Ile	Leu	Thr	His	Ile	Gly	His	His	Leu	Asn	Val	Val	Asn	Leu	
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Leu	Gly	Ala	Cys	Thr	Lys	Gln	Gly	Gly	Pro	Leu	Met	Val	Ile	Val	Glu	
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Tyr	Cys	Lys	Tyr	Gly	Asn	Leu	Ser	Asn	Tyr	Leu	Lys	Ser	Lys	Arg	Asp	
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	130					135					140					
Glu	Lys	Met	Glu	Pro	Gly	Leu	Glu	Gln	Gly	Lys	Lys	Pro	Arg	Leu	Asp	
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Ser	Val	Thr	Ser	Ser	Glu	Ser	Phe	Ala	Ser	Ser	Gly	Phe	Gln	Glu	Asp	
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Lys	Ser	Leu	Ser	Asp	Val	Glu	Glu	Glu	Glu	Asp	Ser	Asp	Gly	Phe	Tyr	
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Lys	Glu	Pro	Ile	Thr	Met	Glu	Asp	Leu	Ile	Ser	Tyr	Ser	Phe	Gln	Val	
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Ala	Arg	Gly	Met	Glu	Phe	Leu	Ser	Ser	Arg	Lys	Cys	Ile	His	Arg	Asp	
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Leu	Ala	Ala	Arg	Asn	Ile	Leu	Leu	Ser	Glu	Asn	Asn	Val	Val	Lys	Ile	
225				230						235					240	
Cys	Asp	Phe	Gly	Leu	Ala	Arg	Asp	Ile	Tyr	Lys	Asn	Pro	Asp	Tyr	Val	
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Arg	Lys	Gly	Asp	Thr	Arg	Leu	Pro	Leu	Lys	Trp	Met	Ala	Pro	Glu	Ser	
			260					265					270			
Ile	Phe	Asp	Lys	Ile	Tyr	Ser	Thr	Lys	Ser	Asp	Val	Trp	Ser	Tyr	Gly	
		275					280					285				
Val	Leu	Leu	Trp	Glu	Ile	Phe	Ser	Leu	Gly	Gly	Ser	Pro	Tyr	Pro	Gly	
	290					295					300					
Val	Gln	Met	Asp	Glu	Asp	Phe	Cys	Ser	Arg	Leu	Arg	Glu	Gly	Met	Arg	
305					310					315					320	

Met Arg Ala Pro Glu Tyr Ser Thr Pro Glu Ile Tyr Gln Ile Met Leu  
                   325                  330                  335

Asp Cys Trp His Arg Asp Pro Lys Glu Arg Pro Arg Phe Ala Glu Leu  
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Val Glu Lys Leu Gly Asp Leu Leu Gln Ala Asn Val Gln Gln Asp  
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<213> Homo sapiens

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Tyr Asp Ala Ser Lys Trp Glu Phe Pro Arg Asp Arg Leu Lys Leu Gly  
                   20                  25                  30

Lys Pro Leu Gly Arg Gly Ala Phe Gly Gln Val Ile Glu Ala Asp Ala  
                   35                  40                  45

Phe Gly Ile Asp Lys Thr Ala Thr Cys Arg Thr Val Ala Val Lys Met  
                   50                  55                  60

Leu Lys Glu Gly Ala Thr His Ser Glu His Arg Ala Leu Met Ser Glu  
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Leu Lys Ile Leu Ile His Ile Gly His His Leu Asn Val Val Asn Leu  
                   85                  90                  95

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Leu	Gly	Ala	Cys	Thr	Lys	Pro	Gly	Gly	Pro	Leu	Met	Val	Ile	Val	Glu
			100					105						110	
Phe	Cys	Lys	Phe	Gly	Asn	Leu	Ser	Thr	Tyr	Leu	Arg	Ser	Lys	Arg	Asn
		115					120					125			
Glu	Phe	Val	Pro	Tyr	Lys	Thr	Lys	Gly	Ala	Arg	Phe	Arg	Gln	Gly	Lys
		130					135				140				
Asp	Tyr	Val	Gly	Ala	Ile	Pro	Val	Asp	Leu	Lys	Arg	Arg	Leu	Asp	Ser
145					150					155					160
Ile	Thr	Ser	Ser	Gln	Ser	Ser	Ala	Ser	Ser	Gly	Phe	Val	Glu	Glu	Lys
				165						170				175	
Ser	Leu	Ser	Asp	Val	Glu	Glu	Glu	Glu	Ala	Pro	Glu	Asp	Leu	Tyr	Lys
			180					185					190		
Asp	Phe	Leu	Thr	Leu	Glu	His	Leu	Leu	Ile	Cys	Tyr	Ser	Phe	Gln	Val
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Ala	Lys	Gly	Met	Glu	Phe	Leu	Ala	Ser	Arg	Lys	Cys	Ile	His	Arg	Asp
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Leu	Ala	Ala	Arg	Asn	Ile	Leu	Leu	Ser	Glu	Lys	Asn	Val	Val	Lys	Ile
225					230					235					240
Cys	Asp	Phe	Gly	Leu	Ala	Arg	Asp	Ile	Tyr	Lys	Asp	Pro	Asp	Tyr	Val
				245					250					255	
Arg	Lys	Gly	Asp	Ala	Arg	Leu	Pro	Leu	Lys	Trp	Met	Ala	Pro	Glu	Thr
			260					265					270		
Ile	Phe	Asp	Arg	Val	Tyr	Thr	Ile	Gln	Ser	Asp	Val	Trp	Ser	Phe	Gly
		275					280					285			
Val	Leu	Leu	Trp	Glu	Ile	Phe	Ser	Leu	Gly	Ala	Ser	Pro	Tyr	Pro	Gly
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Val	Lys	Ile	Asp	Glu	Glu	Phe	Cys	Arg	Arg	Leu	Lys	Glu	Gly	Thr	Arg
305					310					315					320
Met	Arg	Ala	Pro	Asp	Tyr	Thr	Thr	Pro	Glu	Met	Tyr	Gln	Thr	Met	Leu
				325					330					335	
Asp	Cys	Trp	His	Gly	Glu	Pro	Ser	Gln	Arg	Pro	Thr	Phe	Ser	Glu	Leu
			340					345					350		
Val	Glu	His	Leu	Gly	Asn	Leu	Leu	Gln	Ala	Asn	Ala	Gln	Gln	Asp	
		355					360					365			